



1999 Toxics Release Inventory

COLORADO

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	6,078,524	15,014,803	21,093,327
Air Emissions	2,721,432	1,409,337	4,130,769
Surface Water Discharges	3,114,517	20,724	3,135,241
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	143,612	143,612
On-site Land Releases to RCRA Subtitle C Landfills	137,583	0	137,583
Other On-site Land Releases	104,992	13,441,130	13,546,122
Off-site Releases (Transfers Off-site to Disposal)*	596,678	4,394,686	4,991,364
Total On- and Off-site Releases	6,675,202	19,409,489	26,084,691
Recycled On-site	14,577,387	1,075	14,578,462
Recycled Off-site	19,148,759	30,153	19,178,912
Energy Recovery On-site	422,626	0	422,626
Energy Recovery Off-site	5,589,407	1,487	5,590,894
Treated On-site	9,910,314	3,276,198	13,186,512
Treated Off-site**	3,753,209	5,834	3,759,043
Quantity Released On- and Off-site***	7,320,099	19,668,717	26,988,816
Total Production-related Waste Managed	60,721,801	22,983,464	83,705,265
Total Non-production-related Waste Managed	320,174	762	320,936

Transfers Off-site for Further Waste Management/Disposal

Recycling	16,553,692	30,862	16,584,554
Energy Recovery	5,566,720	2,624	5,569,344
Treatment	2,551,577	8,096	2,559,673
Publicly Owned Treatment Works (POTWs)	1,142,941	750	1,143,691
Metals and Metal Compounds*	1,751	750	2,501
Non-metal TRI Chemicals**	1,141,190	0	1,141,190
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	1,476,727	4,688,852	6,165,579
Total Transfers Off-site for Further Waste Management/Disposal	27,291,657	4,731,184	32,022,841

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

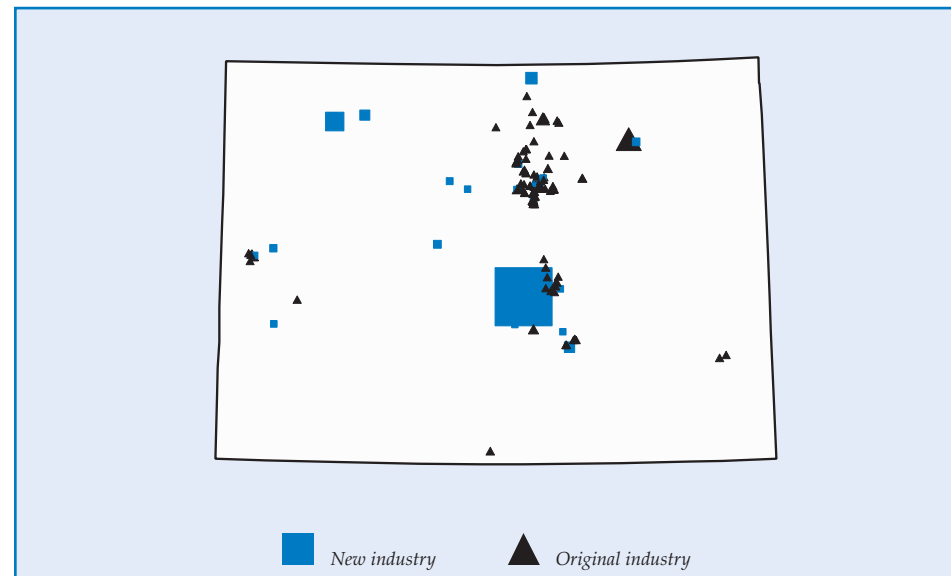
State Contact:

Kirk Mills
(303) 692-2977
Fax: (303) 782-4969
E-mail: kirk.mills@state.co.us

EPA Regional Contact:

Joyel Dhieux
(303) 312-6447
Fax: (303) 312-6044
E-mail: dhieux.joyel@epa.gov

To obtain TRI data use
assistance, call TRI User
Support Service (TRI-US):
(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Colorado. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	4,056,133
Square Miles	103,729
Total Facilities	195
Total Forms	613
Form As	145

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	40	29	39
Pounds	6,675,202	19,409,489	26,084,691
National Rank for Total On-site Releases**			
Rank	39	29	39
Pounds	6,078,524	15,014,803	21,093,327
National Rank for Total Releases within State***			
Rank	40	29	39
Pounds	6,600,325	19,431,186	26,031,511
National Rank for Production-related Waste Managed			
Rank	41	33	43
Pounds	60,721,801	22,983,464	83,705,265

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Nitrate compounds	10	3,087,824	0	0	47	3,087,881	1,258	47	0
--	Zinc compounds	45,468	0	0	14,237	806,135	865,840	0	20,946	785,189
7664-41-7	Ammonia	578,221	9,522	0	1,777	2,798	592,318	0	2,798	0
71-36-3	n-Butyl alcohol	519,556	0	0	0	610	520,166	0	610	0
--	Glycol ethers	428,307	6,310	0	0	274	434,891	0	274	0
8001-58-9	Creosote	8,593	280	0	2,087	288,005	298,965	0	288,005	0
108-88-3	Toluene	203,614	0	0	0	3,200	206,814	10	3,200	0
110-54-3	n-Hexane	160,709	0	0	0	800	161,509	3	800	0
67-56-1	Methanol	148,765	120	0	47	0	148,932	0	0	0
--	Manganese compounds	6,956	10,000	0	8,700	100,000	125,656	0	0	100,000

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Transfers	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Manganese compounds	2,907	1,561	0	8,934,293	692,564	9,631,325	0	711,564	0
--	Barium compounds	17,578	2,959	0	4,122,070	3,526,005	7,668,612	0	3,799,421	0
7664-39-3	Hydrogen fluoride	743,574	0	0	0	0	743,574	2	0	0
7647-01-0	Hydrochloric acid	449,587	0	0	0	0	449,587	0	0	0
--	Zinc compounds	1,424	650	78,895	122,747	70,797	274,513	0	70,797	0
--	Lead compounds	325	323	59,139	83,930	38,378	182,095	0	38,378	0
--	Copper compounds	470	173	5,578	56,214	38,900	101,335	0	38,900	0
7782-50-5	Chlorine	83,010	0	0	0	0	83,010	0	0	0
--	Chromium compounds	263	5	0	27,684	27,000	54,952	0	27,000	0
7664-41-7	Ammonia	30,000	0	0	3,100	0	33,100	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection					On-site Releases to Land		Transferred Within State	Transferred Out of State
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Excel Corp., Fort Morgan, Morgan	40	2,301,630	0	0	0	0	2,301,670	1,453	0
Kodak Colorado Div., Windsor, Weld	52,256	672,518	0	0	0	380	725,154	0	0
Ball Metal Beverage Container Corp., Golden, Jefferson	351,128	0	0	0	0	0	351,128	1,024	0
Holnam Inc. Portland Plant, Florence, Fremont	293,976	0	0	0	0	0	293,976	0	0
Metal Container Corp. Windsor, Windsor, Weld	275,685	0	0	0	0	0	275,685	500	0
Valley Metal Container, Golden, Jefferson	255,900	3	0	0	0	0	255,903	844	0
Safety-Kleen (Deer Trail) Inc., Deer Trail, Adams	0	0	0	0	137,573	0	137,573	0	0
Conoco Denver Refy., Commerce City, Adams	111,346	23,780	0	0	0	0	135,126	10	0
Roche Colorado Corp., Boulder, Boulder	120,247	0	0	0	0	0	120,247	9,760	24,000
Intertape Polymer Group, Brighton, Adams	116,100	0	0	0	0	0	116,100	4,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

Safety-Kleen (Deer Trail) incorrectly reported SIC code 5093 (scrap and waste materials) in their 1999 submissions. Due to this error, EPA placed this facility in the "no codes" SIC code category in the original industry group. This facility should have reported in SIC code 4953 (RCRA Subtitle C facility) and been classified in the New Industries table.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection					On-site Releases to Land		Transferred Within State	Transferred Out of State
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Cripple Creek & Victor Gold Mining Co., Victor, Teller	7,941	0	0	0	0	8,613,012	8,620,953	0	0
Trapper Mining Inc., Craig, Moffat	430	127	0	0	0	2,037,119	2,037,676	0	0
Rawhide Energy Station, Wellington, Larimer	76,808	0	0	0	0	781,763	858,571	0	0
Public Service Co. of Colorado - Comanche Station, Pueblo, Pueblo	45,314	1,470	0	0	0	636,000	682,784	90,300	0
Public Service Co. of Colorado - Hayden Station, Hayden, Routt	196,381	0	0	0	0	424,100	620,481	0	0
Ray D. Nixon Power Plant, Fountain, El Paso	67,515	0	0	0	0	299,955	367,470	500	0
Public Service Co. of Colorado - Cherokee Station, Denver, Adams	323,276	1,270	0	0	0	0	324,546	770,549	0
Tri-State Generation & Transmission - Craig Station, Craig, Moffat	227,186	10	0	0	0	41,490	268,686	2,020,000	0
ASARCO Inc. Leadville Unit Black Cloud Mine, Leadville, Lake	212	479	0	143,612	0	95,741	240,044	0	0
Public Service Co. of Colorado - Pawnee Station, Brush, Morgan	32,381	0	0	0	0	181,900	214,281	341,100	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Excel Corp., Fort Morgan, Morgan	0	0	0	0	2,738,163	0	2,303,076	5,041,239	0
CF&I Steel L.P. DBA Rocky Mountain Steel Mills, Pueblo, Pueblo	0	5,055,500	0	0	0	0	983,000	6,038,500	0
Kodak Colorado Div., Windsor, Weld	0	321,000	0	0	955,500	120,200	725,066	2,121,766	0
Ball Metal Beverage Container Corp., Golden, Jefferson	0	0	0	976	575,000	0	351,129	927,105	0
Holnam Inc. Portland Plant, Florence, Fremont	0	0	0	0	0	0	294,000	294,000	0
Metal Container Corp. Windsor, Windsor, Weld	0	0	0	280	9,320	0	276,105	285,705	0
Valley Metal Container, Golden, Jefferson	0	102,000	0	0	600,100	0	256,910	959,010	0
Conoco Denver Refy., Commerce City, Adams	0	0	0	0	99,864	0	135,127	234,991	0
Roche Colorado Corp., Boulder, Boulder	0	0	0	5,342,000	347,625	842,131	132,690	6,664,446	0
Wright & McGill Co., Denver, Denver	0	0	0	0	0	126,000	126,000	252,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Wright & McGill Co. incorrectly reported 126,000 pounds as being treated off-site and as a quantity released on- and off-site. This amount should have only been reported as being treated off-site.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Cripple Creek & Victor Gold Mining Co., Victor, Teller	0	0	0	0	0	0	8,620,730	8,620,730	0
Tri-State Generation & Transmission - Craig Station, Craig, Moffat	0	0	0	0	1,733,000	0	2,286,200	4,019,200	0
Trapper Mining Inc., Craig, Moffat	0	0	0	0	0	0	2,037,000	2,037,000	0
Public Service Co. of Colorado - Cherokee Station, Denver, Adams	0	0	0	0	0	0	1,097,000	1,097,000	0
Rawhide Energy Station, Wellington, Larimer	0	0	0	0	75,175	0	858,625	933,800	0
Public Service Co. of Colorado - Comanche Station, Pueblo, Pueblo	0	0	0	0	0	0	766,000	766,000	0
Public Service Co. of Colorado - Hayden Station, Hayden, Routt	0	0	0	0	0	0	619,200	619,200	0
Public Service Co. of Colorado - Arapahoe Station, Denver, Denver	0	0	0	0	0	0	560,000	560,000	0
Public Service Co. of Colorado - Pawnee Station, Brush, Morgan	0	0	0	0	0	0	543,000	543,000	0
Climax Molybdenum Co. - Henderson Mine, Empire, Clear Creek	0	0	0	0	0	0	455,030	455,030	3

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.